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Abstract

Disclosed is a method for distinguishing t(11q23)/MLL-positive leukemias from
t(11q23)/MLL negative leukemias in a sample by determining the expression level of
5 markers, as well as a diagnostic kit and an apparatus containing the markers.

Table 1

1. One-Versus-All (OVA)

1.1 de novo MLL versus therapy-related MLL

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	213907_at	EEF1E1	-1.66	7.44E-06	1.70E-01	-1.05	-5.78	6p24.3-p25.1
2	234260_at		3.44	1.06E-05	1.70E-01	0.91	5.25	
3	232663_s_at		2.97	3.90E-05	2.05E-01	0.98	5.12	
4	206180_x_at	MGC2474	-1.58	4.43E-05	2.05E-01	-0.91	-5.01	16p11.2
5	235513_at		3.28	2.66E-05	2.05E-01	0.87	4.95	
6	238970_at		2.92	2.80E-05	2.05E-01	0.86	4.92	
7	221053_s_at	TDRKH	-1.80	5.63E-05	2.05E-01	-0.89	-4.92	1q21
8	231534_at	CDC2	-2.93	2.58E-04	2.59E-01	-1.04	-4.91	10q21.1
9	208565_at	MC5R	-2.25	1.80E-04	2.59E-01	-0.91	-4.75	18p11.2
10	239897_at	BTF	1.81	4.69E-05	2.05E-01	0.82	4.73	6q22-q23
11	205080_at	RARB	-1.45	6.16E-05	2.05E-01	-0.84	-4.73	3p24
12	230964_at		-2.35	2.58E-04	2.59E-01	-0.92	-4.67	
13	244245_at		-2.08	6.38E-05	2.05E-01	-0.82	-4.66	
14	223251_s_at	ANKRD10	1.64	1.15E-04	2.59E-01	0.84	4.64	13q33.3
15	207715_at	CRYGB	2.66	1.27E-04	2.59E-01	0.81	4.51	2q33-q35
16	234858_at		-1.76	3.62E-04	2.70E-01	-0.88	-4.50	
17	205362_s_at	PFDN4	-1.52	1.56E-04	2.59E-01	-0.79	-4.44	20q13
18	209065_at	UQCRB	1.43	1.09E-04	2.59E-01	0.77	4.43	8q22
19	204993_at	GNAZ	-1.52	1.71E-04	2.59E-01	-0.79	-4.42	22q11.22
20	204826_at	CCNF	-2.16	5.91E-04	2.92E-01	-0.92	-4.42	16p13.3
21	225345_s_at		-2.36	2.46E-04	2.59E-01	-0.81	-4.40	
22	215115_x_at	NTRK3	-1.72	4.21E-04	2.71E-01	-0.85	-4.38	15q25
23	207596_at	PRO2176	-1.78	1.56E-04	2.59E-01	-0.77	-4.38	5q21.1
24	219558_at	FLJ20986	-1.60	1.93E-04	2.59E-01	-0.77	-4.33	3q29
25	210087_s_at	MPZL1	-1.89	1.90E-04	2.59E-01	-0.76	-4.32	1q23.2
26	218685_s_at	SMUG1	-1.97	3.53E-04	2.70E-01	-0.80	-4.30	12q13.11-q13.3
27	230662_at	LOC149603	-2.26	3.41E-04	2.70E-01	-0.80	-4.30	1q42.13
28	206086_x_at	HFE	-1.63	2.06E-04	2.59E-01	-0.76	-4.29	6p21.3
29	203408_s_at	SATB1	2.24	1.78E-04	2.59E-01	0.75	4.27	3p23
30	225491_at		-2.90	7.60E-04	2.96E-01	-0.88	-4.26	
31	227657_at	KIAA1214	2.63	1.86E-04	2.59E-01	0.75	4.26	4q31.1
32	209437_s_at	SPON1	-2.43	4.47E-04	2.71E-01	-0.80	-4.25	11p15.2
33	221701_s_at	FLJ12541	-1.47	4.58E-04	2.71E-01	-0.80	-4.25	15q22.33
34	211904_x_at	RAD52	-1.77	2.26E-04	2.59E-01	-0.75	-4.25	12p13-p12.2
35	210714_at	R3HDM	-1.68	2.24E-04	2.59E-01	-0.75	-4.25	2q21.2
36	237376_at		2.55	1.87E-04	2.59E-01	0.74	4.24	
37	220398_at	MGC4170	-1.49	6.27E-04	2.96E-01	-0.83	-4.23	12q23.3
38	210913_at	CDH20	-1.66	4.00E-04	2.71E-01	-0.78	-4.23	18q22-q23
39	214093_s_at		1.69	1.94E-04	2.59E-01	0.74	4.23	
40	215201_at		3.98	2.81E-04	2.59E-01	0.76	4.21	
41	229478_x_at	BIVM	4.32	3.44E-04	2.70E-01	0.79	4.20	13q32-q33.1

42 212022_s_at	MKI67	-2.17	6.33E-04	2.96E-01	-0.82	-4.20	10q25-qter
43 239851_at		1.95	2.30E-04	2.59E-01	0.73	4.20	
44 212020_s_at	MKI67	-1.74	3.89E-04	2.71E-01	-0.77	-4.19	10q25-qter
45 241106_at		-1.64	2.69E-04	2.59E-01	-0.74	-4.19	
46 209946_at	VEGFC	-1.66	4.84E-04	2.71E-01	-0.78	-4.17	4q34.1-q34.3
47 203019_x_at	SSX2IP	-1.70	6.75E-04	2.96E-01	-0.81	-4.17	
48 223661_at		-1.63	7.19E-04	2.96E-01	-0.82	-4.17	
49 201026_at	IF2	-1.53	7.16E-04	2.96E-01	-0.81	-4.16	2p11.1-q11.1
50 219917_at	FLJ23024	-1.52	2.91E-04	2.59E-01	-0.73	-4.15	4p15.2

Table 2

One-Versus-All (OVA)

2. ALL with t(11q23) versus AML with t(11q23)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	211404_s_at	APLP2	-5.84	1.06E-17	2.66E-13	-2.13	-14.47	11q24
2	208702_x_at	APLP2	-8.03	5.57E-15	4.65E-11	-2.15	-13.55	11q24
3	214875_x_at	APLP2	-7.60	8.73E-14	2.62E-10	-2.04	-12.55	11q24
4	200742_s_at	CLN2	-4.09	2.09E-15	2.61E-11	-1.85	-12.49	11p15
5	41220_at	MSF	2.92	1.48E-11	9.24E-09	2.01	12.24	17q25
6	217800_s_at	NDFIP1	-11.26	9.43E-14	2.62E-10	-1.92	-12.18	5q31.3
7	201858_s_at	PRG1	-2.99	1.80E-14	8.59E-11	-1.75	-11.86	10q22.1
8	225703_at	KIAA1545	3.83	4.42E-10	1.10E-07	2.08	11.58	12q24.33
9	226496_at	FLJ22611	7.62	2.43E-11	1.25E-08	1.87	11.56	9p12
10	221969_at	PAX5	24.83	3.08E-09	5.04E-07	2.49	11.52	9p13
11	244876_at		4.77	8.26E-10	1.81E-07	2.13	11.51	
12	225775_at		3.98	4.62E-12	4.13E-09	1.79	11.49	
13	204122_at	TYROBP	-8.95	8.67E-13	1.55E-09	-1.84	-11.42	19q13.1
14	212207_at	KIAA1025	4.05	8.85E-10	1.89E-07	2.10	11.41	12q24.22
15	200743_s_at	CLN2	-2.84	1.39E-14	8.59E-11	-1.63	-11.25	11p15
16	223120_at	MGC1314	-3.99	2.13E-13	4.85E-10	-1.69	-11.17	6q24
17	205639_at	AOAH	-21.09	2.97E-12	3.23E-09	-1.82	-11.02	7p14-p12
18	219013_at	GALNT11	-6.79	7.02E-13	1.35E-09	-1.69	-11.00	7q34-q36
19	206111_at	RNASE2	-5.13	2.06E-14	8.59E-11	-1.59	-10.98	14q24-q31
20	227853_at		-5.82	2.49E-14	8.89E-11	-1.57	-10.90	
21	210314_x_at	TNFSF13	-6.45	1.62E-13	4.06E-10	-1.58	-10.76	17p13.1
22	209500_x_at	TNFSF13	-5.50	9.48E-13	1.58E-09	-1.61	-10.63	17p13.1
23	222422_s_at	NDFIP1	-10.17	1.66E-12	2.30E-09	-1.63	-10.61	5q31.3
24	230015_at		8.96	6.79E-09	8.76E-07	2.09	10.55	
25	214181_x_at	LST1	-7.39	4.21E-12	4.11E-09	-1.66	-10.54	6p21.3
26	225563_at	LOC255967	4.38	1.62E-09	3.09E-07	1.85	10.51	13q12.13
27	203799_at	BIMLEC	-4.99	1.28E-12	2.00E-09	-1.57	-10.45	2q24.2
28	217979_at	NET-6	10.39	8.52E-09	1.06E-06	2.06	10.40	7p21.1
29	211581_x_at	LST1	-5.53	2.34E-12	2.79E-09	-1.58	-10.36	6p21.3
30	213116_at	NEK3	-5.36	2.50E-12	2.85E-09	-1.57	-10.33	13q14.13
31	200975_at	PPT1	-3.29	2.33E-13	4.86E-10	-1.50	-10.32	1p32
32	229215_at	ASCL2	-8.81	5.20E-12	4.33E-09	-1.60	-10.32	11p15.5
33	243756_at		5.60	5.34E-09	7.31E-07	1.90	10.27	
34	211474_s_at	SERPINB6	-5.40	4.90E-12	4.22E-09	-1.57	-10.22	6p25
35	211582_x_at	LST1	-6.23	6.12E-12	4.94E-09	-1.57	-10.18	6p21.3
36	214574_x_at	LST1	-6.06	1.12E-11	7.76E-09	-1.57	-10.07	6p21.3
37	218942_at	FLJ22055	-6.28	1.50E-12	2.20E-09	-1.48	-10.05	12q13.13
38	202788_at	MAPKAPK3	-2.83	4.43E-12	4.11E-09	-1.51	-10.00	3p21.3
39	202382_s_at	GNPI	-13.13	2.27E-11	1.25E-08	-1.58	-9.94	5q21
40	215633_x_at	LST1	-6.93	2.49E-11	1.25E-08	-1.59	-9.94	6p21.3
41	201874_at	MPZL1	2.41	9.12E-10	1.92E-07	1.63	9.92	1q23.2

42 203796_s_at	BCL7A	6.53	1.59E-08	1.73E-06	1.94	9.91	12q24.13
43 210629_x_at	LST1	-4.91	1.05E-11	7.57E-09	-1.51	-9.89	6p21.3
44 200661_at	PPGB	-6.17	1.06E-11	7.57E-09	-1.49	-9.79	20q13.1
45 218404_at	SNX10	-5.74	4.30E-12	4.11E-09	-1.44	-9.75	7p15.2
46 200871_s_at	PSAP	-5.72	4.02E-11	1.73E-08	-1.56	-9.75	10q21-q22
47 201494_at	PRCP	-3.52	2.38E-11	1.25E-08	-1.51	-9.73	11q14
48 235033_at		-3.55	9.71E-12	7.37E-09	-1.46	-9.71	
49 201201_at	CSTB	-4.03	1.84E-12	2.42E-09	-1.41	-9.69	21q22.3
50 216041_x_at	GRN	-7.38	2.95E-11	1.39E-08	-1.51	-9.66	17q21.32

Table 3

One-Versus-All (OVA)

ALL with MLL/t(11;19) versus AML with MLL/t(11;19)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	201413_at	HSD17B4	-7.61	2.70E-06	7.06E-02	-9.15	-25.03	5q21
2	218361_at	FLJ10687	-9.54	4.62E-05	1.63E-01	-7.19	-18.80	1q21.2
3	225590_at	POSH	5.81	4.41E-06	7.06E-02	5.56	15.71	4q32.3
4	228624_at	FLJ11155	-10.67	1.76E-05	1.15E-01	-5.64	-15.58	4q32.1
5	203253_s_at	KIAA0433	-3.08	2.42E-04	1.82E-01	-6.28	-15.53	5q21.1
6	225703_at	KIAA1545	5.00	2.95E-04	1.89E-01	5.66	14.15	12q24.33
7	212516_at	CENTD2	-3.79	4.57E-04	2.36E-01	-5.75	-13.85	11q13.2
8	208621_s_at	VIL2	6.47	1.74E-04	1.80E-01	5.30	13.79	6q25.2-q26
9	213468_at	ERCC2	-5.21	1.80E-05	1.15E-01	-4.68	-13.14	19q13.3
10	217337_at		-5.26	1.97E-04	1.81E-01	-4.89	-12.83	
11	224918_x_at	MGST1	-50.45	1.00E-03	2.59E-01	-6.06	-12.78	12p12.3-p12.1
12	218383_at	C14orf94	-2.96	3.54E-05	1.59E-01	-4.60	-12.77	14q11.2
13	223120_at	MGC1314	-5.12	3.45E-04	2.13E-01	-4.92	-12.56	6q24
14	203672_x_at	TPMT	-3.00	1.59E-05	1.15E-01	-4.42	-12.52	6p22.3
15	210396_s_at		2.98	1.20E-04	1.74E-01	4.61	12.42	
16	201231_s_at	ENO1	-3.31	5.36E-05	1.63E-01	-4.49	-12.39	1p36.3-p36.2
17	216574_s_at	RPE	-10.32	1.69E-04	1.80E-01	-4.50	-12.02	2q32-q33.3
18	210644_s_at	LAIR1	-2.89	3.80E-05	1.59E-01	-4.29	-12.00	19q13.4
19	200099_s_at - HG-U133A		1.18	3.57E-04	2.13E-01	4.61	11.89	
20	209623_at	MCCC2	-2.11	2.56E-04	1.82E-01	-4.28	-11.34	5q12-q13
21	203517_at	MTX2	-3.97	5.87E-05	1.63E-01	-3.98	-11.12	2q31.2
22	225214_at		-4.76	7.36E-04	2.42E-01	-4.42	-11.01	
23	217234_s_at	VIL2	8.46	6.60E-04	2.38E-01	4.32	10.89	6q25.2-q26
24	212651_at	RHOBTB1	7.61	1.36E-03	2.62E-01	4.76	10.84	10q21.2
25	200971_s_at	SERP1	-1.63	3.97E-05	1.59E-01	-3.79	-10.71	3q25.1
26	212513_s_at	VDU1	-2.32	7.98E-05	1.63E-01	-3.78	-10.56	1p31.1
27	200901_s_at	M6PR	-4.17	1.33E-03	2.61E-01	-4.45	-10.46	12p13
28	208967_s_at	AK2	-3.51	9.68E-05	1.63E-01	-3.73	-10.38	1p34
29	203573_s_at	RABGGTA	-2.30	1.51E-03	2.65E-01	-4.42	-10.25	14q11.2
30	38269_at	PRKD2	5.82	1.16E-03	2.59E-01	4.18	10.17	19q13.2
31	214373_at	PPP4R2	2.59	8.51E-05	1.63E-01	3.62	10.14	3q29
32	213589_s_at	LOC284208	-31.42	1.99E-03	2.80E-01	-4.51	-9.91	17q25.3
33	231736_x_at	MGST1	-37.89	2.13E-03	2.80E-01	-4.65	-9.88	12p12.3-p12.1
34	218073_s_at	FLJ10407	-1.87	8.17E-05	1.63E-01	-3.49	-9.81	1p32.3
35	229645_at		18.23	2.11E-03	2.80E-01	4.51	9.80	
36	227711_at	FLJ32942	-14.47	1.73E-03	2.65E-01	-4.16	-9.72	12q13.13
37	209421_at	MSH2	-2.48	6.05E-04	2.36E-01	-3.67	-9.64	2p22-p21
38	225008_at	MGC34646	-4.27	2.32E-04	1.82E-01	-3.49	-9.58	8q12.1
39	239978_at		2.15	4.19E-04	2.32E-01	3.56	9.55	
40	227296_at	LOC113655	-4.14	7.60E-05	1.63E-01	-3.37	-9.54	8q24.3
41	208702_x_at	APLP2	-14.39	1.67E-03	2.65E-01	-4.00	-9.53	11q24

42 202246_s_at	CDK4	-2.90	8.01E-05	1.63E-01	-3.37	-9.52	12q14
43 215767_at		-7.77	8.70E-05	1.63E-01	-3.34	-9.44	
44 231431_s_at		4.09	1.14E-03	2.59E-01	3.69	9.31	
45 211033_s_at	PEX7	-2.18	9.22E-05	1.63E-01	-3.26	-9.22	6q21-q22.2
46 225510_at		-6.39	2.27E-03	2.81E-01	-3.94	-9.07	
47 208881_x_at	IDI1	3.98	2.88E-04	1.89E-01	3.28	9.03	10p15.3
48 203518_at	CHS1	-4.04	1.04E-04	1.67E-01	-3.19	-9.02	1q42.1-q42.2
49 201121_s_at	PGRMC1	-1.30	1.26E-03	2.61E-01	-3.56	-9.01	Xq22-q24
50 205246_at	PEX13	-2.21	9.27E-04	2.59E-01	-3.46	-8.98	2p14-p16

Table 4

One-Versus-All (OVA)

ALL with MLL/t(11;19) versus ALL with MLL/t(4;11)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	213908_at		5.01	1.36E-04	1.77E-01	2.19	8.15	
2	221355_at	CHRNA	2.67	2.18E-06	6.23E-02	1.80	7.43	2q33-q34
3	228180_at		1.66	2.98E-06	6.23E-02	1.78	7.32	
4	213932_x_at	HLA-A	1.34	7.32E-06	1.02E-01	1.69	6.93	6p21.3
5	209732_at	CLECSF2	2.75	3.16E-04	1.79E-01	1.85	6.90	12p13-p12
6	231904_at	U2AF1	1.85	1.62E-05	1.03E-01	1.66	6.78	21q22.3
7	208837_at	P24B	-1.84	1.41E-05	1.03E-01	-1.61	-6.51	15q24-q25
8	208945_s_at	BECN1	-2.40	2.01E-05	1.05E-01	-1.63	-6.46	17q21
9	201063_at	RCN1	-3.00	1.60E-05	1.03E-01	-1.54	-6.32	11p13
10	205708_s_at		-2.11	1.72E-05	1.03E-01	-1.55	-6.31	
11	239615_at		2.26	1.62E-04	1.77E-01	1.60	6.27	
12	238714_at		2.00	1.51E-04	1.77E-01	1.59	6.27	
13	225563_at	LOC255967	-1.76	3.14E-05	1.41E-01	-1.53	-6.26	13q12.13
14	215339_at	NKTR	2.96	2.08E-03	2.05E-01	1.73	5.99	3p23-p21
15	212076_at	MLL	-2.89	3.77E-05	1.41E-01	-1.48	-5.95	11q23
16	212080_at		-3.38	4.99E-05	1.41E-01	-1.50	-5.91	
17	203573_s_at	RABGGTA	-2.06	1.45E-04	1.77E-01	-1.47	-5.88	14q11.2
18	212516_at	CENTD2	-1.68	3.77E-05	1.41E-01	-1.41	-5.78	11q13.2
19	227444_at		1.99	7.55E-05	1.45E-01	1.42	5.78	
20	222875_at	DDX33	-2.10	5.73E-05	1.41E-01	-1.44	-5.75	17p13.2
21	223461_at	LOC51256	-1.88	4.24E-05	1.41E-01	-1.40	-5.73	6p23
22	223109_at	CLONE24922	-7.42	9.58E-05	1.52E-01	-1.54	-5.71	9q34.13
23	212656_at	TSFM	-1.96	5.51E-05	1.41E-01	-1.38	-5.68	12q13-q14
24	218911_at	GAS41	-2.09	5.40E-05	1.41E-01	-1.38	-5.68	12q13-q15
25	222573_s_at	SAV1	-3.35	6.20E-05	1.43E-01	-1.38	-5.66	14q13-q23
26	209684_at	RIN2	3.42	3.70E-04	1.79E-01	1.45	5.66	
27	215967_s_at	LY9	-7.58	5.39E-05	1.41E-01	-1.36	-5.58	1q21.3-q22
28	210487_at	DNTT	-7.67	7.64E-05	1.45E-01	-1.39	-5.57	10q23-q24
29	214845_s_at	CALU	-1.85	6.50E-05	1.43E-01	-1.33	-5.49	7q32
30	231747_at	CYSLTR1	-2.57	7.03E-05	1.45E-01	-1.33	-5.45	Xq13.2-21.1
31	220083_x_at	UCHL5	-1.72	1.87E-04	1.79E-01	-1.34	-5.42	1q32
32	200715_x_at	RPL13A	1.17	9.54E-05	1.52E-01	1.34	5.42	19q13.3
33	205977_s_at	EPHA1	-2.47	9.36E-05	1.52E-01	-1.31	-5.37	7q32-q36
34	241642_x_at		2.01	7.98E-04	2.01E-01	1.40	5.37	
35	234043_at		3.63	3.44E-03	2.29E-01	1.54	5.33	
36	219933_at	GLRX2	-2.35	9.83E-05	1.52E-01	-1.29	-5.28	1q31.2-q31.3
37	208666_s_at	ST13	-1.81	9.44E-05	1.52E-01	-1.28	-5.27	22q13.2
38	201796_s_at	VAR2	-3.67	1.06E-04	1.59E-01	-1.28	-5.25	6p21.3
39	240873_x_at	DAB2	2.23	5.49E-04	1.99E-01	1.33	5.23	5p13
40	202613_at	CTPS	-3.86	1.52E-04	1.77E-01	-1.29	-5.18	1p34.1
41	203677_s_at	TARBP2	-1.78	1.26E-04	1.76E-01	-1.27	-5.17	12q12-q13

42 203023_at	HSPC111	-2.98	1.26E-04	1.76E-01	-1.25	-5.17	5q35.3
43 203733_at	MYLE	1.76	1.66E-04	1.77E-01	1.30	5.16	16p13.2
44 221085_at	TNFSF15	-2.62	1.31E-04	1.77E-01	-1.24	-5.12	9q32
45 211150_s_at	DLAT	-6.43	1.73E-04	1.77E-01	-1.27	-5.10	11q23.1
46 239448_at		2.53	3.61E-04	1.79E-01	1.26	5.07	
47 217337_at		-4.49	2.24E-04	1.79E-01	-1.29	-5.07	
48 236859_at	RUNX2	6.95	1.17E-02	3.09E-01	1.84	5.06	6p21
49 233105_at		1.50	3.31E-04	1.79E-01	1.25	5.05	
50 222052_at		-1.75	1.53E-04	1.77E-01	-1.22	-5.04	

Table 5

One-Versus-All (OVA)

AML with MLL/t(9;11) versus AML with t(11q23)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	235865_at		-2.10	1.01E-04	8.00E-01	-0.85	-4.65	
2	226676_at	EHZF	2.61	9.68E-05	8.00E-01	0.81	4.52	18q11.1
3	238161_at		-1.69	1.77E-04	8.00E-01	-0.81	-4.41	
4	222260_at	PDPK1	-1.73	5.67E-04	8.00E-01	-0.88	-4.34	16p13.3
5	241258_at		-1.97	3.66E-04	8.00E-01	-0.82	-4.31	
6	219602_s_at	FLJ23403	-1.65	5.65E-04	8.00E-01	-0.80	-4.16	18p11.21
7	238353_at		-1.38	5.61E-04	8.00E-01	-0.76	-4.05	
8	244475_at		-1.50	9.22E-04	8.00E-01	-0.80	-4.02	
9	229388_at	LOC118491	-2.13	9.36E-04	8.00E-01	-0.78	-3.98	10q22.2
10	239268_at		2.38	5.01E-04	8.00E-01	0.73	3.97	
11	234836_at		-2.03	6.67E-04	8.00E-01	-0.72	-3.90	
12	244290_at		-2.30	8.04E-04	8.00E-01	-0.72	-3.88	
13	230438_at	TBX15	-1.48	7.55E-04	8.00E-01	-0.72	-3.87	1p11.1
14	237354_at		-1.70	1.21E-03	8.00E-01	-0.76	-3.86	
15	213693_s_at	MUC1	3.43	6.22E-04	8.00E-01	0.70	3.85	1q21
16	204548_at	STAR	3.14	7.78E-04	8.00E-01	0.72	3.85	8p11.2
17	228431_at	FLJ11236	-2.20	8.41E-04	8.00E-01	-0.71	-3.84	
18	236846_at		-1.62	1.55E-03	8.00E-01	-0.78	-3.83	
19	240653_at		-1.94	6.49E-04	8.00E-01	-0.69	-3.82	
20	222773_s_at	GALNT12	2.67	6.97E-04	8.00E-01	0.68	3.80	9q22.33
21	207526_s_at	IL1RL1	-1.59	7.50E-04	8.00E-01	-0.68	-3.79	2q12
22	202564_x_at	ARL2	1.86	9.57E-04	8.00E-01	0.70	3.76	11q13
23	223603_at	ZNF179	-1.64	1.17E-03	8.00E-01	-0.70	-3.75	17p11.2
24	234625_at		-1.53	1.18E-03	8.00E-01	-0.70	-3.74	
25	230772_at		-1.46	1.16E-03	8.00E-01	-0.70	-3.73	
26	230953_at		-1.59	1.41E-03	8.00E-01	-0.71	-3.71	
27	232575_at	PCA3	-2.10	1.48E-03	8.00E-01	-0.70	-3.69	9q21-q22
28	231388_at		-2.01	1.52E-03	8.00E-01	-0.70	-3.68	
29	208076_at	HIST1H4D	-1.54	1.77E-03	8.00E-01	-0.72	-3.68	6p21.3
30	219181_at	LIPG	-1.98	1.83E-03	8.00E-01	-0.72	-3.67	18q21.1
31	241920_x_at	FLJ21439	-1.75	1.51E-03	8.00E-01	-0.69	-3.66	15q14
32	244194_at		-1.51	1.40E-03	8.00E-01	-0.67	-3.63	
33	226677_at	EHZF	2.47	1.10E-03	8.00E-01	0.65	3.63	18q11.1
34	201050_at	PLD3	5.31	1.86E-03	8.00E-01	0.76	3.63	19q13.13
35	233083_at		-2.47	2.88E-03	8.00E-01	-0.76	-3.61	
36	237314_at	MGC26778	-2.04	1.90E-03	8.00E-01	-0.69	-3.60	10p12.1
37	241976_at	TCEA3	-1.70	1.85E-03	8.00E-01	-0.68	-3.59	1p36.11
38	207333_at	NMBR	-2.61	2.65E-03	8.00E-01	-0.72	-3.57	6q21-qter
39	230175_s_at	ESDN	-1.66	1.91E-03	8.00E-01	-0.67	-3.55	3q12.1
40	237718_at	EIF4E	-2.96	2.52E-03	8.00E-01	-0.70	-3.54	4q21-q25
41	208344_x_at	IFNA13	-2.05	2.50E-03	8.00E-01	-0.69	-3.53	9p22

42 240032_at		-1.82 3.92E-03 8.00E-01 -0.78 -3.51
43 205429_s_at	MPP6	3.47 1.62E-03 8.00E-01 0.64 3.51 7p15
44 222860_s_at	SCDGF-B	-1.90 3.12E-03 8.00E-01 -0.71 -3.50 11q22.3
45 216764_at		-1.74 2.69E-03 8.00E-01 -0.68 -3.49
46 241176_at		-2.82 3.94E-03 8.00E-01 -0.75 -3.48
47 243173_at	LOC55954	-2.03 2.29E-03 8.00E-01 -0.65 -3.47 22cen-q12.3
48 209560_s_at	DLK1	-1.58 2.50E-03 8.00E-01 -0.66 -3.47 14q32
49 200033_at - HG-U133A DDX5		-1.23 1.77E-03 8.00E-01 -0.62 -3.46 17q21
50 233003_at		-1.48 1.88E-03 8.00E-01 -0.62 -3.45

Table 6

One-Versus-All (OVA)

6.1 AML with MLL/t(6;11) versus rest

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	213721_at	SOX2	-6.39	3.74E-09	1.57E-04	-1.77	-9.00	3q26.3-q27
2	217506_at		1.92	9.10E-07	2.29E-03	1.83	8.93	
3	207056_s_at	SLC4A8	2.72	7.59E-07	2.29E-03	1.75	8.62	12q13
4	202233_s_at	UQCRH	-1.51	2.13E-08	4.46E-04	-1.64	-8.28	1p33
5	217655_at		4.49	6.19E-03	2.60E-01	2.39	8.04	
6	243109_at	FLJ11175	1.88	1.48E-07	1.31E-03	1.56	7.90	15q26.1
7	207461_at	CHD3	2.66	4.11E-08	5.74E-04	1.55	7.88	17p13.1
8	221341_s_at	OR1D4	-3.58	2.48E-07	1.31E-03	-1.51	-7.62	17p13.3
9	225023_at	PIST	1.71	3.25E-06	5.60E-03	1.55	7.61	6q21
10	229968_at		2.31	5.80E-06	7.59E-03	1.50	7.35	
11	236451_at		3.18	2.14E-03	1.47E-01	1.80	7.26	
12	232627_at		1.84	7.18E-06	8.24E-03	1.48	7.25	
13	209625_at	PIGH	-2.07	1.87E-07	1.31E-03	-1.42	-7.22	14q11-q24
14	238503_at		-4.21	2.82E-07	1.31E-03	-1.46	-7.21	
15	213781_at		1.93	3.42E-06	5.60E-03	1.45	7.17	
16	211575_s_at	UBE3A	-1.75	2.20E-07	1.31E-03	-1.41	-7.15	15q11-q13
17	237715_at		2.40	5.39E-05	2.27E-02	1.50	7.13	
18	222227_at	ZNF236	2.60	2.78E-07	1.31E-03	1.39	7.08	18q22-q23
19	206732_at	KIAA0848	2.05	3.61E-06	5.60E-03	1.40	6.96	3q26.1
20	224939_at		1.56	5.15E-06	7.07E-03	1.35	6.72	
21	239399_at		-5.30	7.14E-07	2.29E-03	-1.32	-6.71	
22	214301_s_at	DPYSL4	-4.45	8.15E-07	2.29E-03	-1.33	-6.67	10q26
23	218609_s_at	NUDT2	-5.82	9.29E-07	2.29E-03	-1.34	-6.67	9p13
24	233378_at		1.59	8.80E-07	2.29E-03	1.33	6.66	
25	222066_at	EPB41L1	1.98	7.01E-07	2.29E-03	1.31	6.66	20q11.2-q12
26	204106_at	TESK1	-1.88	6.92E-05	2.49E-02	-1.39	-6.62	9p13
27	220141_at	FLJ23554	2.26	2.93E-05	1.64E-02	1.36	6.60	11q24.1
28	229633_at	FLJ10569	2.79	1.11E-02	3.45E-01	2.00	6.59	8p21.3
29	215722_s_at	SNRPA1	-1.86	9.63E-04	9.92E-02	-1.51	-6.58	15q26.3
30	221131_at	alpha4GnT	1.38	9.01E-07	2.29E-03	1.29	6.56	3p14.3
31	213166_x_at	PHGDH	-2.02	1.11E-03	1.06E-01	-1.50	-6.53	1p12
32	217195_at		2.09	2.01E-04	4.10E-02	1.40	6.52	
33	230975_at		2.26	4.10E-03	2.08E-01	1.63	6.44	
34	244475_at		1.79	5.44E-03	2.41E-01	1.69	6.44	
35	232393_at	DKFZP762N2316	1.77	2.59E-04	4.73E-02	1.38	6.41	9q31.2
36	210283_x_at	PAIP1	-1.60	7.75E-06	8.24E-03	-1.28	-6.40	5p11
37	232633_at		-5.56	1.46E-06	3.39E-03	-1.26	-6.37	
38	206671_at	SAG	-3.07	1.61E-06	3.54E-03	-1.24	-6.31	2q37.1
39	227033_at	GRP58	-1.30	2.27E-06	4.74E-03	-1.27	-6.29	15q15
40	232847_at	SALL3	2.36	1.29E-04	3.29E-02	1.29	6.17	18q23
41	228713_s_at	retSDR3	1.41	1.43E-04	3.45E-02	1.30	6.16	19q13.33

42	204708_at	MAPK4	2.17	2.95E-06	5.60E-03	1.21	6.14	18q12-q21
43	202752_x_at	SLC7A8	1.56	2.03E-03	1.43E-01	1.43	6.10	14q11.2
44	234934_at	KIAA1272	-2.15	2.98E-06	5.60E-03	-1.19	-6.08	20p11.22
45	219469_at	FLJ11756	2.44	2.22E-03	1.51E-01	1.43	6.07	11q22.2
46	237624_at		1.64	1.52E-05	1.14E-02	1.22	6.07	
47	215446_s_at	LOX	2.13	6.51E-04	7.88E-02	1.33	6.03	5q23.2
48	233903_s_at	DKFZP434D146	-10.12	3.51E-06	5.60E-03	-1.19	-6.02	3q25.2
49	225683_x_at	PHP14	-4.88	3.29E-06	5.60E-03	-1.18	-6.02	9q34.3
50	215074_at	MYO1B	2.22	1.00E-04	2.93E-02	1.24	5.99	2q12-q34

6.2 AML with MLL/t(9;11) versus rest

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	223415_at	FLJ20374	3.62	6.68E-05	8.85E-01	1.01	4.96	15q22.33
2	213693_s_at	MUC1	4.53	1.55E-04	8.85E-01	0.88	4.49	1q21
3	228645_at		3.54	1.93E-04	8.85E-01	0.86	4.40	
4	237110_at		1.80	4.37E-04	8.85E-01	0.90	4.39	
5	205052_at	AUH	-1.58	7.48E-04	8.85E-01	-0.93	-4.38	9q22.1
6	238161_at		-1.70	6.49E-04	8.85E-01	-0.91	-4.36	
7	209860_s_at	ANXA7	-1.29	2.17E-04	8.85E-01	-0.86	-4.36	10q21.1-q21.2
8	204511_at	FARP2	2.59	2.42E-04	8.85E-01	0.84	4.31	2q37.3
9	235820_at		-2.33	1.40E-03	8.85E-01	-0.96	-4.30	
10	219884_at	LHX6	-2.20	5.92E-04	8.85E-01	-0.88	-4.27	9q33.3
11	206959_s_at	UPF3A	1.61	3.04E-04	8.85E-01	0.83	4.22	13q34
12	207679_at	PAX3	-1.68	3.21E-04	8.85E-01	-0.83	-4.21	2q35
13	207537_at	PFKFB1	-1.71	3.67E-04	8.85E-01	-0.83	-4.21	Xp11.21
14	206101_at	ECM2	-1.65	3.23E-04	8.85E-01	-0.82	-4.19	9q22.3
15	222022_at		-2.47	1.88E-03	8.85E-01	-0.95	-4.19	
16	213441_x_at	PDEF	1.98	3.54E-04	8.85E-01	0.82	4.17	6p21.3
17	223713_at	RSP3	-1.42	5.32E-04	8.85E-01	-0.84	-4.17	6q25.3
18	216902_s_at		1.44	3.56E-04	8.85E-01	0.82	4.16	
19	217989_at	RetSDR2	-1.61	2.49E-03	8.85E-01	-0.97	-4.15	4q21.3
20	211266_s_at	GPR4	-1.55	1.38E-03	8.85E-01	-0.89	-4.14	19q13.3
21	206293_at	SULT2A1	2.83	4.15E-04	8.85E-01	0.82	4.14	19q13.3
22	239802_at		-3.45	3.68E-03	8.85E-01	-1.04	-4.12	
23	241379_at	MGC47799	-1.54	2.68E-03	8.85E-01	-0.97	-4.12	2p13.2
24	226267_at	JDP2	-1.71	1.90E-03	8.85E-01	-0.92	-4.12	14q24.2
25	206345_s_at	PON1	-1.50	1.77E-03	8.85E-01	-0.89	-4.07	7q21.3
26	207526_s_at	IL1RL1	-1.64	7.25E-04	8.85E-01	-0.82	-4.06	2q12
27	224987_at	FLJ25357	-1.30	1.29E-03	8.85E-01	-0.85	-4.03	6p21.2
28	221051_s_at	MIBP	2.01	5.15E-04	8.85E-01	0.79	4.01	19p13.3
29	238902_at		-1.79	2.67E-03	8.85E-01	-0.91	-4.00	
30	228140_s_at	PPP2R2C	-1.45	5.62E-04	8.85E-01	-0.78	-3.99	4p16
31	205429_s_at	MPP6	3.99	6.67E-04	8.85E-01	0.79	3.96	7p15
32	241647_x_at		8.54	9.51E-04	8.85E-01	0.82	3.90	
33	217676_at		-1.62	1.66E-03	8.85E-01	-0.82	-3.90	
34	232009_at	EMR2	-1.52	2.22E-03	8.85E-01	-0.82	-3.85	19p13.1

35	216995_x_at	RAF1	3.18	8.16E-04	8.85E-01	0.76	3.85	3p25
36	214331_at	AVIL	4.63	1.10E-03	8.85E-01	0.81	3.84	12q13.13
37	225362_at	LOC159090	-1.43	1.75E-03	8.85E-01	-0.80	-3.83	Xq26.3
38	211108_s_at	JAK3	-2.44	6.24E-03	8.85E-01	-1.01	-3.83	19p13.1
39	202935_s_at	SOX9	-1.86	1.55E-03	8.85E-01	-0.79	-3.83	17q24.3-q25.1
40	244162_at		-1.69	9.86E-04	8.85E-01	-0.75	-3.81	
41	224985_at		-1.36	9.06E-04	8.85E-01	-0.75	-3.80	
42	214884_at	MCF2	-2.05	1.71E-03	8.85E-01	-0.78	-3.79	Xq27
43	234836_at		-2.15	2.86E-03	8.85E-01	-0.82	-3.76	
44	227044_at		-1.69	5.48E-03	8.85E-01	-0.90	-3.73	
45	206466_at	BG1	-1.67	1.08E-03	8.85E-01	-0.73	-3.71	15q23-q24
46	222260_at	PDPK1	-1.51	4.06E-03	8.85E-01	-0.84	-3.71	16p13.3
47	230606_at	GJC1	2.02	1.25E-03	8.85E-01	0.73	3.70	17q21.1
48	227992_s_at		-2.25	3.71E-03	8.85E-01	-0.82	-3.70	
49	243815_at	PGBD4	-1.48	4.35E-03	8.85E-01	-0.84	-3.69	15q13.2
50	244110_at	MLL	-1.37	1.26E-03	8.85E-01	-0.73	-3.69	11q23

6.3 AML with MLL/t(11;19) versus rest

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	217659_at		-3.74	2.47E-08	1.11E-03	-1.59	-8.13	
2	234625_at		1.81	2.09E-05	1.17E-01	1.67	7.79	
3	234800_at		2.43	2.59E-07	5.83E-03	1.46	7.41	
4	221881_s_at	CLIC4	2.93	2.31E-04	2.47E-01	1.44	6.49	1p36.11
5	234823_at		-3.35	3.48E-05	1.41E-01	-1.25	-6.09	
6	217178_at	RARG	-4.57	5.81E-06	8.69E-02	-1.15	-5.81	12q13
7	211108_s_at	JAK3	2.10	5.69E-05	1.41E-01	1.18	5.74	19p13.1
8	218178_s_at	CHMP1.5	1.85	1.81E-03	4.50E-01	1.36	5.62	18p11.21
9	243778_at		-2.75	1.02E-05	9.45E-02	-1.11	-5.60	
10	AFFX-r2-Bs-thr-5_s_at - HG-U133B		-1.79	1.05E-05	9.45E-02	-1.09	-5.55	
11	227721_at	VIP	1.63	8.44E-04	3.88E-01	1.24	5.49	19p13.11
12	205710_at	LRP2	1.74	1.45E-04	2.04E-01	1.13	5.45	2q24-q31
13	241379_at	MGC47799	1.68	4.51E-03	5.86E-01	1.45	5.43	2p13.2
14	202925_s_at	PLAGL2	1.47	2.08E-05	1.17E-01	1.09	5.39	20q11.1
15	244110_at	MLL	1.41	1.75E-05	1.17E-01	1.06	5.39	11q23
16	238633_at	EPC1	1.51	2.74E-05	1.28E-01	1.04	5.28	10p11
17	219464_at	CA14	-2.42	2.85E-05	1.28E-01	-1.02	-5.19	1q21
18	217150_s_at	NF2	-3.66	8.11E-05	1.52E-01	-1.04	-5.19	22q12.2
19	241349_at		-2.05	1.69E-04	2.06E-01	-1.04	-5.10	
20	230798_at		1.82	2.41E-03	4.67E-01	1.20	5.09	
21	205766_at	TCAP	-3.14	4.33E-05	1.41E-01	-1.00	-5.03	17q12
22	222380_s_at		-1.78	6.56E-05	1.41E-01	-0.99	-5.02	
23	237110_at		-1.70	4.29E-05	1.41E-01	-0.98	-5.00	
24	230542_at	FLJ33071	1.84	8.70E-04	3.88E-01	1.09	4.99	16p13.3
25	213423_x_at	N33	2.92	9.97E-03	7.87E-01	1.51	4.98	8p22
26	238654_at	LOC147645	-3.94	5.00E-05	1.41E-01	-0.99	-4.97	19q13.33
27	228416_at		-3.11	9.81E-04	4.07E-01	-1.09	-4.96	

28 213903_s_at	RQCD1	-3.27 4.66E-05 1.41E-01 -0.98 -4.96 2q35
29 243815_at	PGBD4	1.52 1.74E-03 4.45E-01 1.13 4.95 15q13.2
30 222080_s_at	RARG-1	2.34 2.02E-03 4.67E-01 1.12 4.90 6p23
31 207471_at	PRO1992	-5.56 7.21E-05 1.41E-01 -1.00 -4.89 6q15
32 203587_at	ARF4L	-3.54 5.75E-05 1.41E-01 -0.96 -4.88 17q12-q21
33 244074_at		2.04 9.26E-04 4.00E-01 1.06 4.87
34 215635_at		-5.89 6.64E-05 1.41E-01 -0.96 -4.85
35 201484_at	SUPT4H1	1.40 6.82E-04 3.40E-01 1.02 4.82 17q21-q23
36 209581_at	HRASLS3	-8.40 6.89E-05 1.41E-01 -0.94 -4.82 11q12.3
37 207236_at	ZNF345	-3.64 6.81E-05 1.41E-01 -0.95 -4.81 19q13.12
38 206252_s_at	AVPR1A	2.83 4.19E-03 5.64E-01 1.18 4.81 12q14-q15
39 242653_at		-3.48 2.38E-03 4.67E-01 -1.11 -4.81
40 207586_at	SHH	2.15 2.71E-03 4.78E-01 1.12 4.81 7q36
41 236195_x_at		-1.84 7.08E-05 1.41E-01 -0.94 -4.79
42 206269_at	GCM1	-3.14 9.66E-05 1.67E-01 -0.95 -4.74 6p21-p12
43 220400_at	FLJ20583	1.77 7.91E-04 3.78E-01 1.00 4.71 8q22.1
44 241384_x_at		-1.84 8.91E-05 1.60E-01 -0.92 -4.70
45 238084_at	RNF3	2.36 2.79E-03 4.79E-01 1.07 4.65 4p16.3
46 230605_at		-2.70 1.06E-04 1.67E-01 -0.91 -4.64
47 203836_s_at	MAP3K5	-1.89 4.44E-04 3.11E-01 -0.95 -4.63 6q22.33
48 238093_at		1.58 1.07E-04 1.67E-01 0.91 4.63
49 232181_at		-2.20 1.08E-04 1.67E-01 -0.91 -4.63
50 210392_x_at	NR6A1	2.81 4.28E-03 5.67E-01 1.11 4.62 9q33-q34.1

Table 7

7. All-Pairs (AP)

7.1 AML with MLL/t(6;11) versus AML with MLL/t(9;11)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	239802_at		3.45	6.43E-06	1.25E-02	2.07	9.17	
2	202233_s_at	UQCRH	-1.56	6.70E-08	2.72E-03	-1.85	-8.50	1p33
3	217506_at		1.84	1.78E-06	8.52E-03	1.78	8.13	
4	217655_at		4.37	5.01E-03	2.79E-01	2.32	7.81	
5	236451_at		3.44	2.11E-03	1.90E-01	2.01	7.57	
6	225023_at	PIST	1.71	4.57E-06	1.21E-02	1.65	7.54	6q21
7	213721_at	SOX2	-6.17	4.53E-07	8.14E-03	-1.59	-7.38	3q26.3-q27
8	221341_s_at	OR1D4	-3.69	6.02E-07	8.14E-03	-1.58	-7.38	17p13.3
9	207056_s_at	SLC4A8	2.51	2.02E-06	8.52E-03	1.59	7.36	12q13
10	216157_at		2.62	3.20E-06	1.18E-02	1.56	7.22	
11	217195_at		2.29	1.42E-04	5.54E-02	1.65	7.12	
12	244475_at		1.89	5.58E-03	2.98E-01	2.03	7.03	
13	232393_at	DKFZP762N2316	1.85	2.63E-04	7.35E-02	1.65	7.03	9q31.2
14	237624_at		1.71	9.49E-06	1.54E-02	1.53	7.00	
15	232627_at		1.88	6.80E-06	1.25E-02	1.52	6.98	
16	213166_x_at	PHGDH	-2.07	1.14E-03	1.42E-01	-1.74	-6.96	1p12
17	209625_at	PIGH	-2.08	1.11E-06	8.52E-03	-1.47	-6.88	14q11-q24
18	238503_at		-4.48	1.88E-06	8.52E-03	-1.52	-6.85	
19	229968_at		2.39	6.11E-06	1.25E-02	1.48	6.82	
20	211884_s_at	MHC2TA	2.17	4.77E-06	1.21E-02	1.46	6.76	16p13
21	243109_at	FLJ11175	1.86	1.88E-06	8.52E-03	1.43	6.70	15q26.1
22	211575_s_at	UBE3A	-1.81	1.80E-06	8.52E-03	-1.44	-6.70	15q11-q13
23	207461_at	CHD3	2.56	2.10E-06	8.52E-03	1.42	6.60	17p13.1
24	230975_at		2.38	2.85E-03	2.13E-01	1.70	6.52	
25	202752_x_at	SLC7A8	1.60	1.88E-03	1.80E-01	1.62	6.43	14q11.2
26	213781_at		1.90	8.29E-06	1.46E-02	1.38	6.43	
27	220125_at	DNAI1	2.34	9.95E-06	1.55E-02	1.39	6.42	9p21-p13
28	211266_s_at	GPR4	1.61	4.91E-05	3.50E-02	1.42	6.42	19q13.3
29	237715_at		2.39	4.03E-05	3.28E-02	1.41	6.40	
30	228713_s_at	retSDR3	1.39	2.73E-04	7.49E-02	1.47	6.36	19q13.33
31	229633_at	FLJ10569	2.70	9.52E-03	3.73E-01	1.89	6.32	8p21.3
32	207526_s_at	IL1RL1	1.74	3.85E-06	1.21E-02	1.35	6.30	2q12
33	204106_at	TESK1	-1.89	6.02E-05	3.86E-02	-1.39	-6.27	9p13
34	239399_at		-5.25	4.11E-06	1.21E-02	-1.34	-6.27	
35	234348_at		-5.41	6.23E-06	1.25E-02	-1.38	-6.24	
36	234934_at	KIAA1272	-2.25	4.51E-06	1.21E-02	-1.33	-6.22	20p11.22
37	201362_at	NS1-BP	1.68	5.27E-06	1.25E-02	1.32	6.15	1q25.1-q31.1
38	244194_at		1.72	2.62E-04	7.35E-02	1.40	6.14	
39	224939_at		1.54	1.32E-05	1.79E-02	1.32	6.13	
40	215074_at	MYO1B	2.44	5.84E-05	3.86E-02	1.34	6.10	2q12-q34

41	208003_s_at	NFAT5	1.68	2.02E-04	6.42E-02	1.38	6.09	16q22.1
42	215742_at		3.49	8.14E-03	3.50E-01	1.74	6.09	
43	222227_at	ZNF236	2.57	6.56E-06	1.25E-02	1.29	6.05	18q22-q23
44	238161_at		1.85	3.98E-04	8.45E-02	1.39	6.03	
45	243024_at	LOC285989	1.47	5.04E-04	9.61E-02	1.40	6.03	7q22.1
46	206732_at	KIAA0848	2.04	1.28E-05	1.79E-02	1.29	6.00	3q26.1
47	219508_at	GCNT3	3.00	9.34E-04	1.27E-01	1.42	5.98	15q21.3
48	215722_s_at	SNRPA1	-1.84	6.01E-04	1.06E-01	-1.39	-5.97	15q26.3
49	225683_x_at	PHP14	-5.29	8.91E-06	1.51E-02	-1.28	-5.95	9q34.3
50	232633_at		-5.69	1.06E-05	1.59E-02	-1.28	-5.90	

7.2 AML with MLL/t(6;11) versus AML with
MLL/t(11;19)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	233378_at		1.86	1.37E-04	1.00E+00	7.00	17.08	
2	222380_s_at		2.12	8.29E-04	1.00E+00	6.74	13.74	
3	219234_x_at	FLJ23142	1.61	5.27E-04	1.00E+00	5.51	13.03	2q31.1
4	235521_at	HOXA3	2.01	5.70E-04	1.00E+00	5.29	12.57	7p15-p14
5	242685_at	HSPC135	-4.84	2.05E-04	1.00E+00	-4.54	-11.83	3q13.2
6	237675_at		-6.16	1.56E-03	1.00E+00	-5.35	-11.06	
7	37547_at	B1	4.67	3.32E-04	1.00E+00	4.24	10.99	7p14
8	209362_at	SURB7	-1.71	8.34E-04	1.00E+00	-4.58	-10.96	12p11.23
9	207056_s_at	SLC4A8	4.49	1.26E-04	1.00E+00	4.11	10.84	12q13
10	210106_at	RDH5	-4.20	8.92E-04	1.00E+00	-4.39	-10.56	12q13-q14
11	243109_at	FLJ11175	1.95	1.49E-04	1.00E+00	3.98	10.48	15q26.1
12	213721_at	SOX2	-7.46	1.05E-03	1.00E+00	-4.34	-10.35	3q26.3-q27
13	207744_at	PRO0255	8.57	1.96E-03	1.00E+00	3.82	9.46	5p13.3
14	203806_s_at	FANCA	-4.11	3.77E-03	1.00E+00	-3.87	-9.22	16q24.3
15	232113_at		4.15	4.27E-04	1.00E+00	3.46	9.00	
16	219258_at	FLJ20516	-2.91	2.08E-03	1.00E+00	-3.53	-8.82	15q22.2
17	206732_at	KIAA0848	2.12	3.79E-04	1.00E+00	3.20	8.46	3q26.1
18	206873_at	CA6	4.91	9.15E-03	1.00E+00	3.86	8.44	1p36.2
19	206671_at	SAG	-4.13	2.16E-03	1.00E+00	-3.48	-8.31	2q37.1
20	238059_at		-2.17	9.31E-03	1.00E+00	-3.48	-7.82	
21	234008_s_at	FLJ21736	2.16	5.55E-04	1.00E+00	2.95	7.81	16q21
22	207926_at	GP5	3.48	1.50E-03	1.00E+00	3.06	7.73	3q29
23	231801_at	NFATC2	-3.86	5.95E-04	1.00E+00	-2.92	-7.72	20q13.2-q13.3
24	230077_at	SDHA	3.93	1.77E-03	1.00E+00	3.00	7.70	5p15
25	203758_at	CTSO	1.29	7.64E-04	1.00E+00	2.94	7.69	4q31-q32
26	232847_at	SALL3	3.10	6.76E-04	1.00E+00	2.88	7.60	18q23
27	220768_s_at	CSNK1G3	-1.62	3.57E-03	1.00E+00	-3.30	-7.60	5q23
28	232422_at	LOC87769	1.72	4.48E-03	1.00E+00	3.10	7.60	13q32.3
29	236650_at		3.86	2.75E-03	1.00E+00	2.82	7.19	
30	217655_at		5.14	1.86E-03	1.00E+00	2.72	7.07	
31	229633_at	FLJ10569	3.32	8.02E-03	1.00E+00	2.97	7.04	8p21.3
32	220149_at	FLJ22671	1.87	9.81E-04	1.00E+00	2.65	7.01	2q37.3

33	215722_s_at	SNRPA1	-1.94	1.44E-03	1.00E+00	-2.68	-7.01	15q26.3
34	231826_at	KIAA1272	3.19	9.21E-04	1.00E+00	2.64	6.99	20p11.22
35	205532_s_at	CDH6	1.59	2.40E-03	1.00E+00	2.76	6.92	5p15.1-p14
36	218414_s_at	NUDE1	-1.73	2.10E-03	1.00E+00	-2.66	-6.89	16p13.11
37	219469_at	FLJ11756	2.74	3.40E-03	1.00E+00	2.67	6.80	11q22.2
38	226025_at	KIAA0379	1.85	1.10E-03	1.00E+00	2.57	6.79	3p25.1
39	210392_x_at	NR6A1	-7.25	2.87E-03	1.00E+00	-2.72	-6.77	9q33-q34.1
40	216195_at		3.49	1.41E-03	1.00E+00	2.52	6.65	
41	220842_at	FLJ20069	-7.03	4.03E-03	1.00E+00	-2.74	-6.64	6q23.2
42	217632_at		5.02	1.10E-02	1.00E+00	2.84	6.62	
43	237138_at		6.94	1.48E-02	1.00E+00	2.98	6.60	
44	236457_at		2.25	2.55E-03	1.00E+00	2.49	6.38	
45	222993_at	MRPL37	-1.55	1.42E-03	1.00E+00	-2.41	-6.37	1p32.1
46	229597_s_at	KIAA1607	1.58	3.60E-03	1.00E+00	2.55	6.35	10q11.21
47	229644_at		-1.30	3.46E-03	1.00E+00	-2.52	-6.31	
48	232930_at		-4.51	4.27E-03	1.00E+00	-2.47	-6.29	
49	220421_at	FLJ21458	-3.23	1.55E-03	1.00E+00	-2.37	-6.27	5q35.3
50	221484_at	B4GALT5	1.60	6.91E-03	1.00E+00	2.75	6.24	20q13.1-q13.2

7.3 AML with MLL/t(9;11) versus AML with
MLL/t(11;19)

#	affy id	HUGO name	fc	p	q	stn	t	Map Location
1	217659_at		3.90	8.77E-09	3.94E-04	1.92	9.19	
2	211108_s_at	JAK3	-2.49	8.69E-05	3.00E-01	-1.95	-8.19	19p13.1
3	234625_at		-1.85	1.13E-05	1.01E-01	-1.68	-7.61	
4	234800_at		-2.38	1.75E-06	3.94E-02	-1.38	-6.61	
5	221881_s_at	CLIC4	-3.04	1.50E-04	3.16E-01	-1.43	-6.30	1p36.11
6	202925_s_at	PLAGL2	-1.52	9.77E-06	1.01E-01	-1.30	-5.98	20q11.1
7	237110_at		1.81	6.50E-06	9.73E-02	1.25	5.97	
8	234823_at		3.23	6.75E-05	2.53E-01	1.29	5.90	
9	215767_at		-2.84	4.30E-05	1.93E-01	-1.23	-5.73	
10	241379_at	MGC47799	-1.74	3.44E-03	6.78E-01	-1.54	-5.66	2p13.2
11	227721_at	VIP	-1.66	6.69E-04	4.85E-01	-1.29	-5.54	19p13.11
12	218178_s_at	CHMP1.5	-1.88	1.28E-03	5.18E-01	-1.34	-5.51	18p11.21
13	243815_at	PGBD4	-1.59	1.25E-03	5.18E-01	-1.32	-5.46	15q13.2
14	244110_at	MLL	-1.46	2.71E-05	1.93E-01	-1.11	-5.34	11q23
15	217178_at	RARG	4.59	3.23E-05	1.93E-01	1.13	5.33	12q13
16	206345_s_at	PON1	-1.53	6.43E-04	4.85E-01	-1.21	-5.27	7q21.3
17	230798_at		-1.89	1.88E-03	5.86E-01	-1.29	-5.24	
18	243778_at		2.50	4.09E-05	1.93E-01	1.10	5.21	
19	238633_at	EPC1	-1.53	4.23E-05	1.93E-01	-1.08	-5.19	10p11
20	AFFX-r2-Bs-thr-5_s_at	- HG-U133B	1.69	5.61E-05	2.29E-01	1.05	5.03	
21	205710_at	LRP2	-1.74	1.75E-04	3.16E-01	-1.08	-5.03	2q24-q31
22	241976_at	TCEA3	-1.72	3.16E-04	3.83E-01	-1.09	-5.00	1p36.11
23	222080_s_at	RARG-1	-2.46	1.56E-03	5.52E-01	-1.18	-4.98	6p23
24	213423_x_at	N33	-2.90	9.62E-03	9.07E-01	-1.51	-4.93	8p22

25	239040_at		-1.94	3.08E-04	3.83E-01	-1.07	-4.92
26	233487_s_at	LRRC8	-2.18	3.91E-03	7.05E-01	-1.25	-4.91 9q34.13
27	207471_at	PRO1992	4.76	1.24E-04	3.16E-01	1.04	4.82 6q15
28	206252_s_at	AVPR1A	-2.98	3.15E-03	6.55E-01	-1.18	-4.78 12q14-q15
29	207236_at	ZNF345	3.57	1.23E-04	3.16E-01	0.99	4.71 19q13.12
30	240315_at		-2.40	2.13E-03	6.17E-01	-1.11	-4.69
31	238093_at		-1.59	1.32E-04	3.16E-01	-0.98	-4.68
32	230542_at	FLJ33071	-1.82	8.96E-04	5.08E-01	-1.04	-4.68 16p13.3
33	244323_at		2.58	2.63E-04	3.47E-01	0.99	4.67
34	223415_at	FLJ20374	3.55	1.37E-04	3.16E-01	0.97	4.66 15q22.33
35	213903_s_at	RQCD1	3.05	1.38E-04	3.16E-01	0.97	4.66 2q35
36	223770_x_at	MGC3207	-1.59	1.38E-04	3.16E-01	-0.97	-4.65 19p13.12
37	205766_at	TCAP	2.97	1.66E-04	3.16E-01	0.98	4.63 17q12
38	217150_s_at	NF2	3.46	2.61E-04	3.47E-01	0.97	4.60 22q12.2
39	224008_s_at	KCNK7	-1.51	1.65E-04	3.16E-01	-0.96	-4.60 11q13
40	225444_at		2.10	8.06E-04	5.08E-01	1.02	4.60
41	209581_at	HRASLS3	8.83	1.62E-04	3.16E-01	0.96	4.58 11q12.3
42	230605_at		2.66	1.76E-04	3.16E-01	0.95	4.55
43	228416_at		3.04	1.15E-03	5.18E-01	1.02	4.54
44	212991_at	FBXO9	-1.58	2.05E-04	3.47E-01	-0.95	-4.54 6p12.3-p11.2
45	238084_at	RNF3	-2.33	2.77E-03	6.46E-01	-1.07	-4.52 4p16.3
46	227640_s_at	LOC222136	1.48	2.25E-04	3.47E-01	0.95	4.52 7p14.3
47	213693_s_at	MUC1	5.05	2.21E-04	3.47E-01	0.94	4.52 1q21
48	207586_at	SHH	-2.10	2.57E-03	6.35E-01	-1.06	-4.50 7q36
49	244074_at		-2.00	1.02E-03	5.12E-01	-1.00	-4.50
50	241349_at		1.97	4.59E-04	4.30E-01	0.96	4.50